

30th AFS ENVIRONMENTAL, HEALTH & SAFETY CONFERENCE

October 9 – October 11, 2018

Cleveland Marriott East, Warrensville Heights, OH

(Program, Speakers & Agenda Subject to Change)

TUESDAY, October 9

Environmental Session

7:00 am - 3:45 pm

CONFERENCE REGISTRATION

7:00 - 8:00 am

CONTINENTAL BREAKFAST

8:00 - 8:30 am

WELCOME / ANNOUNCEMENTS

Dan Oman, Haley & Aldrich, Inc., Stephens City, VA, AFS EHS Division Chair

INTRODUCTION

- AFS EHS Committee Overview
- Recognition of AFS EHS Division Members in Attendance
- CONFERENCE CO-CHAIRS: Paul Sheppard, Environmental Specialist, Amsted Rail, Keokuk, IA and Fred Kohloff, Director EHS, Keramida, Inc., Streamwood, IL

8:30 - 9:15 am

US EPA Region V Approach to Environmental Policy Priorities and Challenges

Cathy Stepp, Region V- US EPA Administrator, Chicago, IL

- Policy Priorities for US EPA
- Meeting Current Environmental Challenges
- Future Environmental Challenges on the Horizon

9:15 - 10:00 am

Changing Perceptions: The Need for an “Unbalanced Force”

Dan Oman, Haley & Aldrich, Inc., Stephens City, VA,

- Perception is a strong factor in shaping environmental views
- An “Unbalanced Force” is needed to change perception
- How to create an appropriate “Unbalanced force”

10:00 - 10:15 am

REFRESHMENT BREAK

10:15 - 11:15 am

Foundry Solutions for Stormwater Cases

Moderator: Greg Kramer, ME Elecmetal, Duluth, MN

Panelists: *Dan Plant, Metal Technologies Inc, Auburn, IN*
Holly Hurst, David J. Joseph Company, Provo, UT
David Georgeson, McWane Ductile, Provo, UT

Improved stormwater quality through the use of hidden resources. BMP(s) originate from decommissioned area(s).

11:15 - Noon

Residual Risk and Technology Review (RTR) of Iron and Steel Foundry NESHAP for Major Sources

Phil Mulrine, EPA Office of Air and Radiation, Triangle Park, NC

- EPA is required to complete a residual risk and technology review of its NESHAP rule for iron and steel foundry major sources by June 2020 (with a proposed rule by April 2019)
- Provide an update on EPA's rulemaking process and its efforts in working with the metalcasting industry on this rule

Noon - 1:00 pm **LUNCH**

1:00 - 1:45 pm

State Air Toxics

Travis Quarles, ESCO Corp, Portland, OR

Some states are promulgating rules governing emissions of air toxics that go well beyond the USEPA's NESHAPs requirements. The speaker will describe Oregon's "Cleaner Air Oregon" rule and the specific impacts for foundries, metals, and risk assessment/ambient air monitoring.

1:45 - 2:30 pm	Stack Testing Procedures Jim Schifo, Keramida, Inc., Indianapolis, IN Dan Plant, Metal Technologies, Inc., Auburn, IN Learn the EPA requirements for stack testing procedures with a focus on PM2.5.
2:30 - 2:45 pm	REFRESHMENT BREAK
2:45 - 3:45 pm	Creating Positive Working Relationships with Advocacy Groups Moderator: Mike Lenahan, Covia, Benton Harbor, MI Panelists: John Kurtz, Kurtz Bros., Inc., Cleveland, OH Derek Schafer, West Creek Conservancy, Cleveland, OH Kurt Princic, Ohio EPA, Northeast- District Office, Twinsburg, OH Learn from experts about what works and what doesn't work when interacting with environmental advocacy groups, local residents, and concerned citizens.
3:45-4:30 pm	Rust Spotting Jeet Radia, McWane, INC, Birmingham, AL Bryant Esch, Waupaca Foundry Inc, Waupaca, WI Damage to paint on vehicle surfaces (rust spotting) in the vicinity of metal casting facilities is a longstanding issue for many foundries. Rust spotting typically occurs when fine metallic particles deposit on and adhere to vehicle surfaces under the right conditions. When the particles rust, they stain the paint and give the appearance of rust spots. Foundries are often blamed for rust spotting even when other industrial sources in the neighborhood are partly or fully culpable. The speakers will outline the main causes of rust spotting, investigation techniques, common solutions and dealing effectively with affected neighbors.
4:30- 5:45 pm	Environmental Session for "Metalcasters Only" Moderator: Bryant Esch, Waupaca Foundry, Waupaca, WI Panelists: Earl Miller, Accurate Castings Inc., dba Hiler Industries, LaPorte, IN Derek MacKenzie, Kohler Company, Kohler, WI Paul Sheppard, Amsted Rail, Griffin Wheel, Keokuk, IA
<u>WEDNESDAY, October 10</u> Combined Environmental /Health & Safety Sessions	
7:00 - 8:00 am	REGISTRATION / CONTINENTAL BREAKFAST
8:00 - 8:45 am	What to Expect When OSHA Comes Knocking: The First Foundry Inspected Under New Silica Rules Brent Charlton, Metal Technologies of Indiana, LLC As far as AFS knows, only one foundry has been inspected for silica since the June 23 rd enforcement deadline passed: Metal Technologies in Ravenna, MI. Learn what motivated the visit, which documents OSHA asked for, how they sampled, which lab they used, the details of their practices, and the outcome of their visit.
8:45 - 9:30 am	Naturally Occurring Radioactive Materials & Waste Management John O'Neil, Chase Environmental Group, Inc., Lenoir City, TN How to properly identify radioactive materials as NORM and the available waste management and disposal options available in the United States
9:30 -10:30 am	EHS Hot Topics Air Quality - Jeet Radia, McWane, Inc. Birmingham, AL Water & Waste – Holly Hurst, David J. Joseph Co. Provo, UT Health & Safety - Tom Slavin, Cardno ChemRisk, Chicago, IL <ul style="list-style-type: none"> • What are the latest regulatory issues keeping metalcasters awake at night? • How is AFS helping metalcasters anticipate and prepare for new regulatory impacts?
10:30 - 10:45 am	REFRESHMENT BREAK

10:45 - 11:30 am	Sustainability Successes- Winners of the 2018 Green Foundry Case Study Awards <i>Holly Hurst, David J. Joseph, Company, Provo, UT 1st Ever Green Foundry Award Winners Speak</i>
11:30 am - 12:15 pm	Washington Update <i>Stephanie Salmon, AFS Washington, Washington DC</i> <i>Jeff Hannapel, The Policy Group, Rockville, MD</i>
12:15 - 12:30 pm	<u>DIVISION 10 AWARD PRESENTATIONS:</u> <i>AFS DIVISION INDIVIDUAL AWARDS</i> <i>2017 AFS METALCASTING SAFE YEAR AWARDS</i>
12:30 - 1:30 pm	LUNCH with Exhibitors
1:30 - 2:15pm	Building and Sustaining Safety Culture <i>Dr. Ken Chapman, Ken Chapman & Associates, Tuscaloosa, AL</i> <ul style="list-style-type: none"> • Why everything that counts can't be counted • Hitting the ceiling – Shifting from Compliance to Ownership • Where are you today? • Creating ownership with a moral dimension
2:15 - 3:00 pm	Determining and Documenting "Feasibility" of Silica Exposure Control Methods <i>Bob Scholz, TRC Environmental, Brookfield, WI</i> <ul style="list-style-type: none"> -Describe a process for evaluation the feasibility of options to control silica exposures in foundries -Review criteria for judging feasibility, with examples -Emphasize the need to focus feasibility determinations on root causes of exposure.
3:00 - 3:30 pm	REFRESHMENT BREAK with Exhibitors
3:30 - 4:15 pm	Contractor Management <i>Andrew Kress, Safety Manager, Waupaca Foundry Inc., Plant 5, Tell City, IN</i> <ul style="list-style-type: none"> • A review of the Waupaca Foundry Contractor Management Program • General guidelines for contractor management (requirements before coming on site) Training; Proof of insurance; Plant escort or site contact • Lessons learned, and recommendations from, real-life issues encountered with contractors
4:15 - 5:00 pm	Discussing Silica Alternatives- Foundries Successfully Making the Change <i>William Johnston, Engineering Manager, Ellwood Engineered Castings, Hubbard, OH.</i> Bill will share his foundry's process for evaluating, and experience of implementing, a switch to non-silica media for molds and cores. They now have 8 months of experience working with non-silica ceramic sand. Jack Scott, General Manager-HR/Purchasing, Eagle Foundry, Eagle Creek, OR Capitalize the initial start-up costs, don't expense it! Hear about the exciting ways this one decision, to go with ceramic media, will change profitability throughout your foundry.
5:30 pm -	ANNUAL RECEPTION with EXHIBITORS Networking, time with Exhibitor, Hors D'Oeuvres, & Refreshments for All

THURSDAY, October 11 Health and Safety Sessions

7:30 - 8:00 am	REGISTRATION / CONTINENTAL BREAKFAST
8:00 - 8:45 am	Best Practices for Refractory Systems <i>Pete Satre, Allied Mineral Products, Columbus, OH</i>
8:45 - 9:15 am	Powered Industrial Sweeper Crystalline Silica Exposure Study <i>Jason Lang, RHP Risk Management, Inc., Chicago, IL</i>

The OSHA Standard on Respirable Crystalline Silica reads, “The employer shall not allow dry sweeping or dry brushing where such activity could contribute to employee exposure to respirable crystalline silica unless wet sweeping, HEPA-filtered vacuuming or other methods that minimize the likelihood of exposure are not feasible.” How are powered industrial sweepers viewed under the standard? Do these sweepers increase or decrease worker exposures? How effective are wet methods and HEPA filters with regards to powered sweeping? AFS sought to conduct a study to help answer these questions.

9:15 - 10:00 am	Silica Compliance Case Studies <i>Glenn Huneycutt, Charlotte Pipe & Foundry Company, Charlotte, NC (organizer)</i> <i>Chris Wallen, Accurate Castings Inc., dba Hiler Industries, LaPorte, IN</i>
10:00 - 10:15 am	REFRESHMENT BREAK
10:15 - 11:00 am	Method Demonstration for Foundry Personal Silica Exposure Root Cause Identification <i>Rebecca Farrell, TRC Environmental, Brookfield, WI</i> <ul style="list-style-type: none">• Brief recap of previous presentation• Discussion of Method- Instrument selection, instrument setup, and procedure• Results- Presentation of results and problems encountered• Concluding remarks on the study and potential extensions on the method
11:00 - 11:45 am	Safety & Health Management Systems (ISO 45001) and why it Matters <i>Tom Slavin, Cardno Chemrisk, Chicago, IL</i> <p>The new ISO 45001 safety and health management systems standard is a game changer for workplace safety and health. We will explore what it means, how it can help and why it matters to you. We will also discuss alternative management systems that may be a better fit for some foundries</p>
11:45 am to 12:45 pm	LUNCH
12:45 - 1:30 pm	Respirable Dust Mapping – Applications of a Useful Tool in Determining Silica Exposures <i>Eric Pytkas, Insight IH Consulting, LLC, Hartland, WI</i> <p>All foundries are familiar with the compliance sampling for respirable crystalline silica. Fewer are knowledgeable of contaminant mapping of the concentrations within their facility. This talk will compare the two methods, the drawbacks and benefits of each, and discuss the proper time to deploy each method.</p>
1:30 - 2:15 pm	Medical Surveillance <i>Paul Lynes, Finger Lynes Engineering, Nashville, TN</i> <ul style="list-style-type: none">• Learn the Who, What, and When of requirements for Medical Surveillance• Hear what NOT to do regarding Medical Surveillance• Receive the forms necessary for Medical Surveillance documentation
2:15 - 3:00 pm	Respirable Crystalline Silica – Avoiding Monitoring Pitfalls and Incomplete Results <i>Donald Ewert, RJ Lee Group, Inc., Monroeville, PA</i> <p>An engaging presentation on frequent sampling errors that occur and how to do it right the first time. Learn to select work task exposure groups, the need for calibrating equipment, and how to get representative samples from an ever-changing environment. You’ll also leave with tools to reduce or fully abate penalties that OSHA may propose by challenging the science behind unfavorable test results. Participants will leave with a portfolio of pitfalls to avoid and an understanding of how sample collection practices influence the analytical results they receive from the lab.</p>
3:00 – 3:45 pm	Health and Safety Session for “Metalcasters Only” Moderator: Glenn Huneycutt, Charlotte Pipe & Foundry Company, Charlotte, NC Panelists: Brent Charlton, Metal Technologies Auburn LLC, Auburn, IN Bob Forrester, Neptune Technology Group, Inc., Tallassee, AL Andrew Kress, Waupaca Foundry, Tell City, IN
3:45 pm	Adjourn